



STIC Search Report

EIC 3700

STIC Database Tracking Number: 175616

TO: Gary Welch
Location: RND 7d77
Art Unit: 3765

Serial: 10/689243

From: Jeanne Horrigan
Location: RND 8B31
Phone: 571-272-3529

jeanne.horrigan@uspto.gov

Search Notes

Attached are the search results for the thimble. I tagged the references that I thought were most relevant (the color of the tag does not mean anything; I just ran out of green tags), but I suggest that you review ALL of the results.

Also attached is a search feedback form. Completion of the form is voluntary. Your completing this form would help us improve our search services.

I hope the search results are useful. Please feel free to contact me if you have any questions or want additional searching on this application.



STIC Search Results Feedback Form

EIC 3700

Questions about the scope or the results of the search? Contact *the EIC searcher or contact:*

John Sims, EIC 3700 Team Leader
RND 8B35, Phone 2-3507

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: Example: 3730

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC3700 RND 8B31



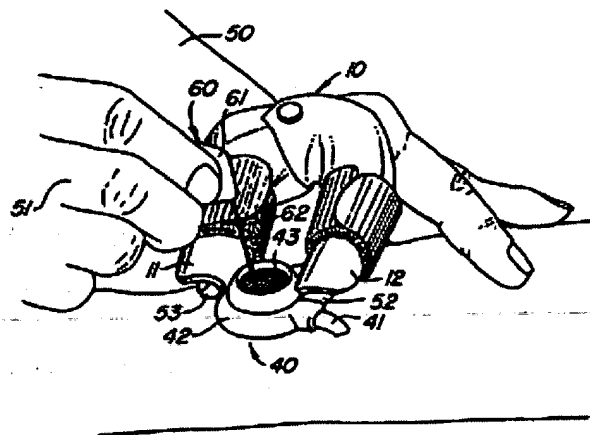
Hand puncture protector

Patent number: US5706520
Publication date: 1998-01-13
Inventor: THORNTON BONNIE CROCKETT (US); PETERSON ANN (US); ALLEN MARY (US); FAHEY BARBARA (US); WOOLERY-ANTILL MYRA (US); TAYLOR JERRY B (US); WHEELER VERA (US); COLEMAN PEGGY (US); KEDROWSKI SHIRLEY M (US); JEANNERET LISA ANN (US)
Applicant: US ARMY (US)
Classification:
- **international:** **A41D13/08; A41D19/015; A41D13/05; A41D19/015;**
(IPC1-7): A41D13/10
- **europaen:** A41D13/08B8; A41D19/015B3
Application number: US19950515499 19950815
Priority number(s): US19950515499 19950815

[Report a data error here](#)

Abstract of US5706520

A hand puncture protector (10) including a pivoting shell which covers susceptible areas on the back and sides of the wearer's thumb (53), index finger (52) and thenar web space to reduce the risk of injury or infection from accidental punctures from needles and other sharp instruments ("SHARPS"). The pivoting shell is formed of a SHARP impervious material, such as thermoplastic, and has separate thumb (11) and index finger (12) components which are preferably fastened together by a single rivet (30) placed above the thenar web space region. VELCRO straps (20, 21) are affixed to the thumb and index finger regions of the molded shell at about the interphalange joint of the thumb and middle phalanx of the index finger to secure the hand protector to the user's hand. A method of protecting health care professionals from injury or infection by accidental punctures is also disclosed.



Data supplied from the **esp@cenet** database - Worldwide

File 781:ProQuest Newsstand 1998-2006/Feb 15
(c) 2006 ProQuest Info&Learning
File 20:Dialog Global Reporter 1997-2006/Feb 15
(c) 2006 Dialog
File 990:NewsRoom Current Sep 1 -2006/Feb 14
(c) 2006 Dialog
File 991:NewsRoom 2005 Jan 1-2005/Aug 30
(c) 2005 Dialog
File 992:NewsRoom 2004 Jan 1-2004/Dec 31
(c) 2005 Dialog
File 993:NewsRoom 2003
(c) 2005 Dialog
File 994:NewsRoom 2002
(c) 2005 Dialog
File 995:NewsRoom 2001
(c) 2005 Dialog
File 996:NewsRoom 2000
(c) 2005 Dialog
File 484:Periodical Abs Plustext 1986-2006/Feb W2
(c) 2006 ProQuest
File 727:Canadian Newspapers 1990-2006/Feb 15
(c) 2006 Southam Inc.
File 47:Gale Group Magazine DB(TM) 1959-2006/Feb 15
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File 88:Gale Group Business A.R.T.S. 1976-2006/Feb 09
(c) 2006 The Gale Group
File 149:TGG Health&Wellness DB(SM) 1976-2006/Jan W5
(c) 2006 The Gale Group
File 141:Readers Guide 1983-2004/Dec
(c) 2005 The HW Wilson Co
File 635:Business Dateline(R) 1985-2006/Feb 15
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File 16:Gale Group PROMT(R) 1990-2006/Feb 14
(c) 2006 The Gale Group
File 436:Humanities Abs 1984-2004/Dec
(c) 2005 The HW Wilson Co
File 608:KR/T Bus.News. 1992-2006/Feb 15
(c)2006 Knight Ridder/Tribune Bus News
File 757:Mirror Publications/Independent Newspapers 2000-2006/Feb 15
(c) 2006
File 262:CBCA Fulltext 1982-2006/Feb 13
(c) 2006 Micromedia Ltd.
File 369:New Scientist 1994-2006/Aug W4
(c) 2006 Reed Business Information Ltd.

| Set | Items | Description |
|-----|--------|---------------------------------------|
| S1 | 12547 | THIMBLE OR THIMBLES |
| S2 | 163451 | KNUCKLE? ? OR JOINT? ? (3N) FINGER? ? |
| S3 | 106 | S1 AND S2 |
| S4 | 18 | S1(S)S2 |
| S5 | 14 | RD (unique items) |
| S6 | 14 | Sort S5/ALL/PD,A |

6/3,K/2 (Item 2 from file: 635)
DIALOG(R)File 635:Business Dateline(R)
(c) 2006 ProQuest Info&Learning. All rts. reserv.
0268394 92-14714

Lasting Satisfaction: Bootmaker Plies Self-Taught Trade on the Peninsula
Beard, David

Daily News (Longview, WA, US) sBUS p--

PUBL DATE: 920110

WORD COUNT: 1,036

DATELINE: Nahcotta, WA, US

TEXT:

...each hole. After piercing his finger once, Holland made himself some protective gear. **Now leather thimbles protect his knuckles** . He pushes the needles with a bone and pulls them with a pliers.

After attaching...

6/3,K/7 (Item 7 from file: 995)

DIALOG(R)File 995:NewsRoom 2001

(c) 2005 Dialog. All rts. reserv.

0251549295 15FR1J4G

Optimal circumference reduction of finger models for good prosthetic fit of a thimble-type prosthesis for distal finger amputations

Leow, Michael E L

Journal of Rehabilitation Research & Development, v38, n2, p273

Monday, April 30, 2001

JOURNAL CODE: ABYD LANGUAGE: ENGLISH RECORD TYPE: Fulltext

DOCUMENT TYPE: Scholarly Journal ISSN: 0748-7711

WORD COUNT: 3,671

...on the residual finger (residuum) such that its proximal edge terminates distal to the proximal **finger joint** but proximal to the mid-shaft of the middle phalanx (Figure 1). Fitting a **thimble** prosthesis offers two important advantages (5) over a full-length finger prosthesis: i) it avoids ...prosthesis since it is not customary to have one worn anywhere distal to the proximal **finger joint** . A concern amongst the patients whose prostheses were thickened was the increased visibility of the prosthesis-skin juncture. The proximal edge of **thimble** prostheses must therefore remain thin and translucent to blend with the surrounding skin without any need for concealment. In this respect, fitting a **thimble** prosthesis calls for good prosthetic fit to be achieved from the outset, without having to...

File 387:The Denver Post 1994-2006/Feb 14
(c) 2006 Denver Post
File 471:New York Times Fulltext 1980-2006/Feb 15
(c) 2006 The New York Times
File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06
(c) 2002 Phoenix Newspapers
File 494:St LouisPost-Dispatch 1988-2006/Feb 12
(c) 2006 St Louis Post-Dispatch
File 631:Boston Globe 1980-2006/Feb 12
(c) 2006 Boston Globe
File 633:Phil.Inquirer 1983-2006/Feb 13
(c) 2006 Philadelphia Newspapers Inc
File 638:Newsday/New York Newsday 1987-2006/Feb 13
(c) 2006 Newsday Inc.
File 640:San Francisco Chronicle 1988-2006/Feb 15
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File 641:Rocky Mountain News Jun 1989-2006/Feb 15
(c) 2006 Scripps Howard News
File 702:Miami Herald 1983-2006/Feb 12
(c) 2006 The Miami Herald Publishing Co.
File 703:USA Today 1989-2006/Feb 14
(c) 2006 USA Today
File 704:(Portland)The Oregonian 1989-2006/Feb 13
(c) 2006 The Oregonian
File 713:Atlanta J/Const. 1989-2006/Feb 12
(c) 2006 Atlanta Newspapers
File 714:(Baltimore) The Sun 1990-2006/Feb 15
(c) 2006 Baltimore Sun
File 715:Christian Sci.Mon. 1989-2006/Feb 15
(c) 2006 Christian Science Monitor
File 725:(Cleveland)Plain Dealer Aug 1991-2006/Feb 14
(c) 2006 The Plain Dealer
File 735:St. Petersburg Times 1989- 2006/Feb 14
(c) 2006 St. Petersburg Times
File 476:Financial Times Fulltext 1982-2006/Feb 16
(c) 2006 Financial Times Ltd
File 477:Irish Times 1999-2006/Feb 15
(c) 2006 Irish Times
File 710:Times/Sun.Times(London) Jun 1988-2006/Feb 15
(c) 2006 Times Newspapers
File 711:Independent(London) Sep 1988-2006/Feb 15
(c) 2006 Newspaper Publ. PLC
File 756:Daily/Sunday Telegraph 2000-2006/Feb 15
(c) 2006 Telegraph Group
File 757:Mirror Publications/Independent Newspapers 2000-2006/Feb 15
(c) 2006

| Set | Items | Description |
|-----|--------|---|
| S1 | 3534 | THIMBLE OR THIMBLES |
| S2 | 37963 | KNUCKLE? ? OR JOINT? ? (3N) FINGER? ? |
| S3 | 143026 | INDENT? OR DIMPLE? OR PITS OR PITTED OR PITTING |
| S4 | 21 | S1 AND S2 |
| S5 | 1 | S3 AND S4 [not relevant] |
| S6 | 20 | S4 NOT S5 |
| S7 | 20 | RD (unique items) |
| S8 | 20 | Sort S7/ALL/PD,A [not relevant] |

File 47:Gale Group Magazine DB(TM) 1959-2006/Feb 15
(c) 2006 The Gale group

File 88:Gale Group Business A.R.T.S. 1976-2006/Feb 09
(c) 2006 The Gale Group

File 781:ProQuest Newsstand 1998-2006/Feb 15
(c) 2006 ProQuest Info&Learning

File 991:NewsRoom 2005 Jan 1-2005/Aug 30
(c) 2005 Dialog

| Set | Items | Description |
|-----|-------|---|
| S1 | 6 | THIMBLE? ?(10N) (KNUCKLE OR FIRST()JOINT) |
| S2 | 5 | RD (unique items) [not relevant] |

File 484:Periodical Abs Plustext 1986-2006/Feb W2
(c) 2006 ProQuest

File 727:Canadian Newspapers 1990-2006/Feb 15
(c) 2006 Southam Inc.

File 47:Gale Group Magazine DB(TM) 1959-2006/Feb 15
(c) 2006 The Gale group

File 88:Gale Group Business A.R.T.S. 1976-2006/Feb 09
(c) 2006 The Gale Group

File 141:Readers Guide 1983-2004/Dec
(c) 2005 The HW Wilson Co

File 635:Business Dateline(R) 1985-2006/Feb 15
(c) 2006 ProQuest Info&Learning

File 16:Gale Group PROMT(R) 1990-2006/Feb 14
(c) 2006 The Gale Group

File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group

File 621:Gale Group New Prod.Annou. (R) 1985-2006/Feb 15
(c) 2006 The Gale Group

File 436:Humanities Abs 1984-2004/Dec
(c) 2005 The HW Wilson Co

File 757:Mirror Publications/Independent Newspapers 2000-2006/Feb 15
(c) 2006

File 262:CBCA Fulltext 1982-2006/Feb 13
(c) 2006 Micromedia Ltd.

| Set | Items | Description |
|-----|--------|--|
| S1 | 663 | FINGER? ?(1N) (PROTECT??? OR CUP OR CUPS OR CAP OR CAPS OR - SHIELD? ?) |
| S2 | 37229 | KNUCKLE? ? OR JOINT? ?(3N)FINGER? ? |
| S3 | 178308 | INDENT? OR DIMPLE? OR PITS OR PITTED OR PITTING |
| S4 | 15 | S1(S)S2 |
| S5 | 0 | S3(S)S4 |
| S6 | 14 | RD S4 (unique items) |
| S7 | 14 | Sort S6/ALL/PD,A [not relevant] |

File 30:AsiaPacific 1985-2005/Dec 27
(c) 2005 Aristarchus Knowledge Indus.

File 35:Dissertation Abs Online 1861-2006/Jan
(c) 2006 ProQuest Info&Learning

File 67:World Textiles 1968-2006/Mar
(c) 2006 Elsevier Science Ltd.

File 483:Newspaper Abs Daily 1986-2006/Feb 14
(c) 2006 ProQuest Info&Learning

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group

File 111:TGG Natl.Newspaper Index(SM) 1979-2006/Feb 08
(c) 2006 The Gale Group

File 65:Inside Conferences 1993-2006/Feb W2
(c) 2006 BLDSC all rts. reserv.

File 94:JICST-EPlus 1985-2006/Nov W4
(c)2006 Japan Science and Tech Corp(JST)

File 144:Pascal 1973-2006/Jan W4
(c) 2006 INIST/CNRS

File 98:General Sci Abs 1984-2004/Dec
(c) 2005 The HW Wilson Co.

| Set | Items | Description |
|-----|-------|--|
| S1 | 6295 | KNUCKLE? ? OR JOINT? ?(3N)FINGER? ? |
| S2 | 56693 | INDENT? OR DIMPLE? OR PITS OR PITTED OR PITTING |
| S3 | 70 | FINGER? ?(1N) (PROTECT??? OR CUP OR CUPS OR CAP OR CAPS OR - SHIELD? ?) |
| S4 | 2 | S1(S)S3 [not relevant] |
| S5 | 0 | S2 AND S4 |

File 387:The Denver Post 1994-2006/Feb 14
(c) 2006 Denver Post

File 471:New York Times Fulltext 1980-2006/Feb 15
(c) 2006 The New York Times

File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06
(c) 2002 Phoenix Newspapers

File 494:St LouisPost-Dispatch 1988-2006/Feb 12
(c) 2006 St Louis Post-Dispatch

File 631:Boston Globe 1980-2006/Feb 12
(c) 2006 Boston Globe

File 633:Phil.Inquirer 1983-2006/Feb 13
(c) 2006 Philadelphia Newspapers Inc

File 638:Newsday/New York Newsday 1987-2006/Feb 13
(c) 2006 Newsday Inc.

File 640:San Francisco Chronicle 1988-2006/Feb 15
(c) 2006 Chronicle Publ. Co.

File 641:Rocky Mountain News Jun 1989-2006/Feb 15
(c) 2006 Scripps Howard News

File 702:Miami Herald 1983-2006/Feb 14
(c) 2006 The Miami Herald Publishing Co.

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File 704:(Portland)The Oregonian 1989-2006/Feb 13
(c) 2006 The Oregonian

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File 714:(Baltimore) The Sun 1990-2006/Feb 15
(c) 2006 Baltimore Sun

File 715:Christian Sci.Mon. 1989-2006/Feb 15
(c) 2006 Christian Science Monitor

File 725:(Cleveland)Plain Dealer Aug 1991-2006/Feb 14
(c) 2006 The Plain Dealer

File 735:St. Petersburg Times 1989- 2006/Feb 14
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File 476:Financial Times Fulltext 1982-2006/Feb 16
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File 477:Irish Times 1999-2006/Feb 15
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File 710:Times/Sun.Times(London) Jun 1988-2006/Feb 15

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File 711:Independent(London) Sep 1988-2006/Feb 15

(c) 2006 Newspaper Publ. PLC

File 756:Daily/Sunday Telegraph 2000-2006/Feb 15

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File 757:Mirror Publications/Independent Newspapers 2000-2006/Feb 15

(c) 2006

| Set | Items | Description |
|-----|--------|--|
| S1 | 37963 | KNUCKLE? ? OR JOINT? ?(3N)FINGER? ? |
| S2 | 143026 | INDENT? OR DIMPLE? OR PITS OR PITTED OR PITTING |
| S3 | 473 | FINGER? ?(1N) (PROTECT??? OR CUP OR CUPS OR CAP OR CAPS OR - SHIELD? ?) |
| S4 | 17 | S3 AND S1 |
| S5 | 1 | S2 AND S4 [not relevant] |
| S6 | 16 | S4 NOT S5 |
| S7 | 15 | RD (unique items) |
| S8 | 15 | Sort S7/ALL/PD,A [not relevant] |

File 350:Derwent WPIX 1963-2006/UD,UM &UP=200611

(c) 2006 Thomson Derwent

File 347:JAPIO Nov 1976-2005/Oct(Updated 060203)

(c) 2006 JPO & JAPIO

| Set | Items | Description |
|-----|-------|--|
| S1 | 6696 | KNUCKLE? ? OR JOINT? ?(3N)FINGER? ? |
| S2 | 44714 | INDENT? OR DIMPLE? OR PITS OR PITTED OR PITTING |
| S3 | 1103 | FINGER? ?(1N) (PROTECT??? OR CUP OR CUPS OR CAP OR CAPS OR - SHIELD? ?) |
| S4 | 2 | S1 AND S2 AND S3 [not relevant] |
| S5 | 50 | S1 AND S3 |
| S6 | 21 | S1(10N)S3 |
| S7 | 21 | S6 NOT S4 [not relevant] |
| S8 | 27 | S5 NOT (S4 OR S6) |
| S9 | 35 | S5/TI |
| S10 | 18 | S8 AND S9 [1 duplicate; 19 not relevant] |

File 350:Derwent WPIX 1963-2006/UD,UM &UP=200611

(c) 2006 Thomson Derwent

File 347:JAPIO Nov 1976-2005/Oct(Updated 060203)

(c) 2006 JPO & JAPIO

| Set | Items | Description |
|-----|-------|---|
| S1 | 1447 | THIMBLE OR THIMBLES |
| S2 | 6696 | KNUCKLE? ? OR JOINT? ?(3N)FINGER? ? |
| S3 | 44714 | INDENT? OR DIMPLE? OR PITS OR PITTED OR PITTING |
| S4 | 2 | S1 AND S2 AND S3 [duplicates] |
| S5 | 8 | (S1 AND S2) NOT S4 |

5/34/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 Thomson Derwent. All rts. reserv.

011721531 **Image available**

WPI Acc No: 1998-138441/199813

Thimble used during vegetable chopping e.g. for cucumber - has knife
sliding guide on holder over which knife slides while chopping

Patent Assignee: TERANISHI M (TERA-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|-------------|------|----------|-------------|------|----------|----------|
| JP 10014790 | A | 19980120 | JP 96195389 | A | 19960704 | 199813 B |

Priority Applications (No Type Date): JP 96195389 A 19960704

Patent Details:

| Patent No | Kind | Lan Pg | Main IPC | Filing Notes |
|-------------|------|--------|-------------|--------------|
| JP 10014790 | A | 4 | A47J-043/28 | |

Abstract (Basic): JP 10014790 A

The **thimble** has a short cylindrical holder (1) inserted between
the first and second **joints** of **finger**. The holder has a knife
sliding guide (2) over which the knife slides while chopping.

ADVANTAGE - Prevents tip of fingers from being cut, reliably.
Enables to cut vegetables finely and easily. Reduces incompatibility to
finger.

Dwg.6/6

Derwent Class: P21; P28

International Patent Class (Main): A47J-043/28

International Patent Class (Additional): A41D-013/08

File 349:PCT FULLTEXT 1979-2006/UB=20060209,UT=20060202

(c) 2006 WIPO/Univentio

| Set | Items | Description |
|-----|-------|---|
| S1 | 831 | THIMBLE OR THIMBLES |
| S2 | 2658 | KNUCKLE? ? OR JOINT? ? (3N) FINGER? ? |
| S3 | 29809 | INDENT? OR DIMPLE? OR PITS OR PITTED OR PITTING |
| S4 | 0 | S1(S) S2(S) S3 |
| S5 | 4 | S1(S) S2 |

5/3,K/1

DIALOG(R) File 349:PCT FULLTEXT

(c) 2006 WIPO/Univentio. All rts. reserv.

01210501 **Image available**

FINGERNAIL PICK FOR STRINGED INSTRUMENTS

PLECTRE D'ONGLE POUR INSTRUMENTS A CORDES

Patent Applicant/Inventor:

WEST John R, 15925 Birkhofer Road, Guerneville, CA 95446, US, US

(Residence), US (Nationality)

Legal Representative:

PARDINI Thomas J (et al) (agent), c/o Oliff & Berridge PLC, P.O. Box

19928, Alexandria, VA 22320, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200517875 A1 20050224 (WO 0517875)

Application: WO 2004US26379 20040813 (PCT/WO US04026379)

Priority Application: US 2003495287 20030814; US 2003529640 20031211

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO
RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO
SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5265

Fulltext Availability: Detailed Description

Detailed Description

... string, are difficult to learn to use, and, in the case of the most common **thimble** -type fingerpicks, require an unnatural and difficult clawing type motion, as opposed to a simple and natural "rest stroke" motion, to activate the string of an instrument. **Thimble** -type picks, since they have no adhesive, require that the striking of the string also serves to push the **thimble** onto the finger, otherwise they would pop right off. Since this is true, the playing...
...in playing classical guitar where the rest stroke consists of a bending at the first **knuckle** which is much more natural and easy to do quickly. Additionally, such picks attached to...

Flexible thimble type finger protector

Patent number: US5609165
Publication date: 1997-03-11
Inventor: LAMBERT FRANK H (GB)
Applicant: WALLACE STUART (GB)
Classification:
- **International:** **A61B19/04; A61B19/00;** (IPC1-7): A61F5/37;
A41D19/00; D05B91/04
- **European:** A61B19/04
Application number: US19940204190 19940503
Priority number(s): GB19910018928 19910904; GB19920002095
19920131; WO1992GB01498 19920813

Also published as:

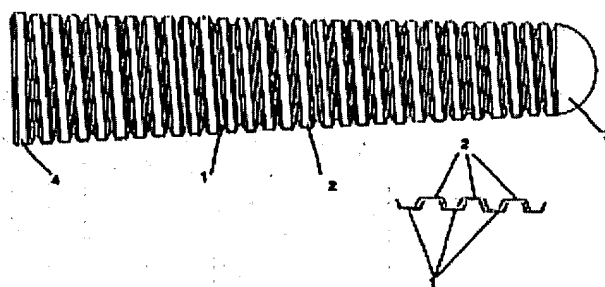


WO9304638 (A1)
EP0602065 (A1)

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Abstract of US5609165

PCT No. PCT/GB92/01498 Sec. 371 Date May 3, 1994 Sec. 102(e) Date May 3, 1994 PCT Filed Aug. 13, 1992 PCT Pub. No. WO93/04638 PCT Pub. Date Mar. 18, 1993 The invention includes a finger protector comprising a tube-like portion with a closed end, the wall of the tube being formed of at least one elongate strip of a material which strongly resists penetration by a needle and which is in helical configuration. The strip is of such cross section that adjacent edges of adjacent turns of the helix or helices interlock to prevent the turns separating axially but allowing a limited amount of axial movement such that, when worn on a finger, the finger may be bent to a limited extent without adjacent turns separating.



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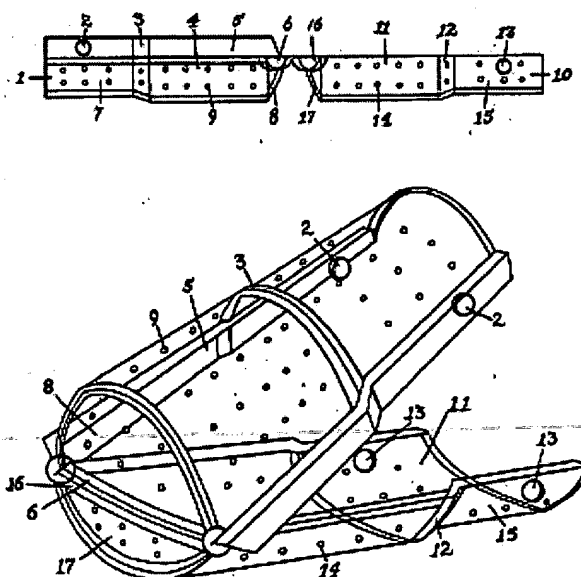
Protective guard aid device designed for injured and wounded fingers and/or toes

Patent number: US5031608
Publication date: 1991-07-16
Inventor: WEINSTEIN DAVID J (US)
Applicant: WEINSTEIN DAVID J (US)
Classification:
- **international:** **A61F5/058; A61F13/10; A61F5/04; A61F13/10;** (IPC1-7): A61F50/04
- **europaean:** A61F5/058H4C; A61F13/10H2
Application number: US19870057439 19870603
Priority number(s): US19870057439 19870603

[Report a data error here](#)

Abstract of US5031608

This invention relates to an improved construction of finger and toe housing devices. It is adapted to be readily applied to the ends of fingers or toes for protecting injured and wounded areas. Still another aim of the invention is to improve and provide a housing construction that may be economically manufactured and sold to be worn in order to protect and enable the wearer to perform their duties in the home and office, requiring the use of the hands and legs during the recovery period. Still a further aim of the invention is to provide a strong protector of the class described of self-contained resilient molded bead-spine-hinged connected section having yieldable means of holding the sections in applied position with the built-in rear locking system 2 and 13, beyond the last joint of the finger or toe. Both sections 1 and 10 provide a convex apertured portion adapted to house the injured finger or toe during the recuperation period. Still another aim of the device is to provide a strong, protective and completely encased storage holding area for the injured fingers or toes to heal safely and comfortably.



Data supplied from the **esp@cenet** database - Worldwide

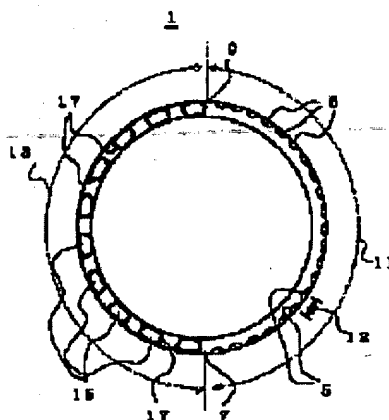
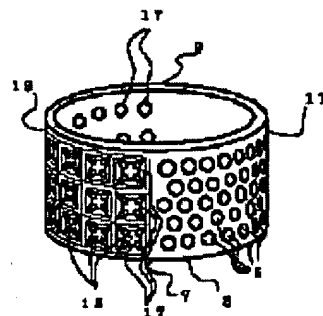
THIMBLE-CUM-FINGER RING

Patent number: JP2001046124
Publication date: 2001-02-20
Inventor: TATEMATSU HISAKO
Applicant: TATEMATSU HISAKO; TATEMATSU SAWASHI
Classification:
 - international: **A44C9/00; D05B91/04; A44C9/00; D05B91/00;** (IPC1-7): A44C9/00; D05B91/04
 - european:
Application number: JP19990228069 19990811
Priority number(s): JP19990228069 19990811

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Abstract of JP2001046124

PROBLEM TO BE SOLVED: To provide a thimble-cum-finger ring wearable invariably and exerting a high decorative property as a decorative finger ring during the period other than the working time by fitting ornaments such as gems or designed metal- carved handiworks to an outer peripheral portion other than a needle head hook section where a needle head is hooked. **SOLUTION:** This thimble-cum-finger ring is made of a metal material such as brass, platinum, gold, silver, or silver-plated copper. A band-like plate made of such metal material and having the thickness of about 1.8 mm and the uniform width of about 10 mm is wound into a ring shape, i.e., a band ring shape, to form the base 3 (finger ring section) of the thimble-cum-finger ring. The base 3 (finger ring section) is inserted to a finger of the hand of a human body. The whole outer peripheral face of the base 3 is bisected, a plurality of recesses 5 to be hooked with the head (end section having a thread passing hole) of a sewing needle are bored on one outer peripheral face, and a plurality of small gems 15 are buried on the other outer peripheral face 13. The gems 15 are buried in the burying holes 17 regularly bored on the half outer peripheral face 13 then are fixed by the prescribed method.



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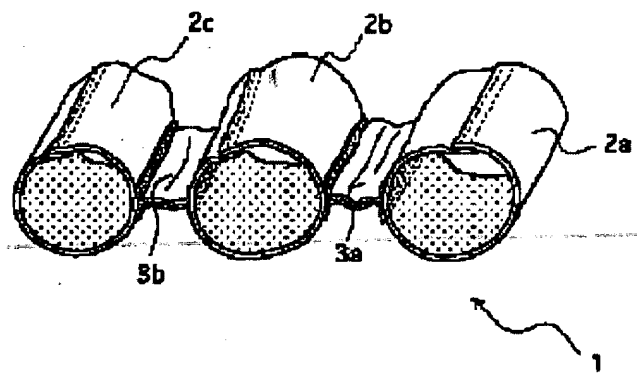
FINGER PROTECTING TOOL

Patent number: JP10225471
Publication date: 1998-08-25
Inventor: YASUKAWA ITSUO
Applicant: YASUKAWA ITSUO
Classification:
- international: **A61F5/01; A61F5/10; A61F5/01; (IPC1-7): A61F5/01; A61F5/10**
- european:
Application number: JP19970100807 19970404
Priority number(s): JP19970100807 19970404; JP19960342397 19961209

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Abstract of JP10225471

PROBLEM TO BE SOLVED: To distribute external force applied on fingers after limiting the bending of finger joints and to protect the joints in the roots of the fingers, especially, from a twist and a fracture, etc., by providing a finger protecting tool consisting of a plural number of cylindrical parts provided with thickness being almost equal to that of the human fingers and connecting parts for connecting the cylindrical parts. **SOLUTION:** The finger protecting tool 1 is constituted of the three horizontally lined cylindrical parts 2 (2a-2c) and the connecting parts 3a and 3b for connecting the cylindrical parts 2. The cylindrical parts 2 are formed by cylindrically rolling a thick cloth material and sewing both ends. In the meantime, the connecting parts 3a and 3b connect the cylindrical parts 2 in a horizontal line and a non-extension/contraction cloth material is used. At the time of usage, the cylindrical parts 2 are respectively fitted to the forefinger, a middle finger and a third finger so as to execute restraining. When external force to an unnatural direction is added to the fingers, external force is supported by distributing it to the other adjacent fingers and the twist and the fracture, etc., in the finger is prevented.



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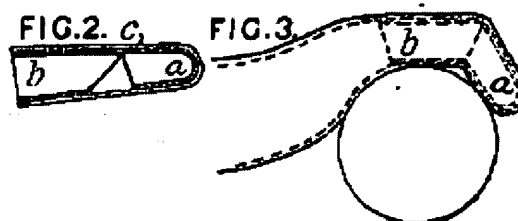
Improvements in Wicket Keeping Gloves or Gauntlets.

Patent number: GB191116017
Publication date: 1912-03-14
Inventor: MORETON ALBERT
Applicant: MORETON ALBERT
Classification:
- international: **A63B71/14; A63B71/08;**
- european: A63B71/14
Application number: GBD191116017 19110711
Priority number(s): GBT191116017 19110711

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Abstract of GB191116017

16,017. Moreton, A. July 11. No Patent granted (Sealing fee not paid). Gloves for wicket-keeping have thimble protectors a at the finger-ends and cylindrical protectors b extending below the first joint. The protectors a, b are joined by a flexible strip c, and are cut as shown in Fig. 2 to enable the fingers to bend.



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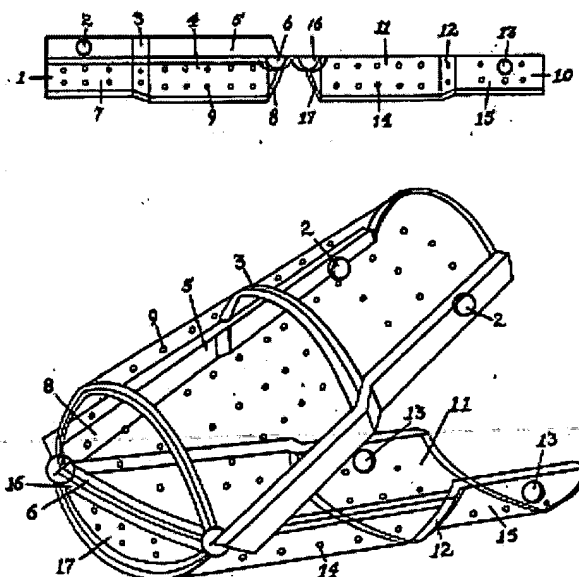
Protective guard aid device designed for injured and wounded fingers and/or toes

Patent number: US5031608
Publication date: 1991-07-16
Inventor: WEINSTEIN DAVID J (US)
Applicant: WEINSTEIN DAVID J (US)
Classification:
 - international: **A61F5/058; A61F13/10; A61F5/04; A61F13/10; (IPC1-7): A61F50/04**
 - european: **A61F5/058H4C; A61F13/10H2**
Application number: US19870057439 19870603
Priority number(s): US19870057439 19870603

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Abstract of US5031608

This invention relates to an improved construction of finger and toe housing devices. It is adapted to be readily applied to the ends of fingers or toes for protecting injured and wounded areas. Still another aim of the invention is to improve and provide a housing construction that may be economically manufactured and sold to be worn in order to protect and enable the wearer to perform their duties in the home and office, requiring the use of the hands and legs during the recovery period. Still a further aim of the invention is to provide a strong protector of the class described of self-contained resilient molded bead-spine-hinged connected section having yieldable means of holding the sections in applied position with the built-in rear locking system 2 and 13, beyond the last joint of the finger or toe. Both sections 1 and 10 provide a convex apertured portion adapted to house the injured finger or toe during the recuperation period. Still another aim of the device is to provide a strong, protective and completely encased storage holding area for the injured fingers or toes to heal safely and comfortably.



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File 350:Derwent WPIX 1963-2006/UD,UM &UP=200610
(c) 2006 Thomson Derwent
File 349:PCT FULLTEXT 1979-2006/UB=20060112,UT=20060105
(c) 2006 WIPO/Univentio
File 348:EUROPEAN PATENTS 1978-2006/Jan W05
(c) 2006 European Patent Office
Set Items Description
S1 13 AU='NEWMAN L'
S2 0 T1/26,TI/ALL

1/34/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX
(c) 2006 Thomson Derwent. All rts. reserv.
016281804 **Image available**
WPI Acc No: 2004-439699/200441

**Thimble adapted to extend up over first knuckle position to assist user
in maintaining straight finger at first knuckle position and having
needle contacting surface with indent(s)**

Patent Assignee: NEWMAN L (NEWM-I); NEWMAN R (NEWM-I)

Inventor: NEWMAN L

Number of Countries: 003 Number of Patents: 003

Patent Family:

| Patent No | Kind | Date | Applicat No | Kind | Date | Week |
|----------------|------|----------|---------------|------|----------|----------|
| US 20040099701 | A1 | 20040527 | US 2003689243 | A | 20031020 | 200441 B |
| JP 2004160225 | A | 20040610 | JP 2003375165 | A | 20031105 | 200441 |
| AU 2003252911 | A1 | 20040527 | AU 2003252911 | A | 20031013 | 200465 |

Priority Applications (No Type Date): AU 2002952558 A 20021108

Patent Details:

| Patent No | Kind | Lan | Pg | Main IPC | Filing Notes |
|----------------|------|-----|----|-------------|--------------|
| US 20040099701 | A1 | | 4 | D05B-091/04 | |
| JP 2004160225 | A | | 5 | D05B-091/04 | |
| AU 2003252911 | A1 | | | D05B-091/04 | |

Abstract (Basic): US 20040099701 A1

NOVELTY - A rigid thimble is adapted to extend up over first knuckle position to assist user in maintaining straight finger at first knuckle position and having needle contacting surface with indent(s) between the tip of the finger and a position adjacent or past the first knuckle position.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a method of quilting using the inventive thimble as a brace to ensure that the first knuckle position of the thimble bearing finger used to push the needle is not bent more than 25 degrees.

USE - Used to extend up over first knuckle position to assist user in maintaining straight finger at first knuckle position (claimed).

ADVANTAGE - The invention provides that if a finger is bent at the first knuckle position and the inventive thimble is used to urge a needle for a distance the angle between the thimble and the needle will change and eventually when this angle becomes too far removed from 90 degrees the needle will slip out of any indent in the thimble along the face of the thimble to prevent further pushing of the needle by the finger and possibly occasioning injury to the needle worker.

DESCRIPTION OF DRAWING(S) - The figure is a transverse cross-section of the inventive thimble.

Inside (5)

Front face (6)

pp; 4 DwgNo 3/3

Technology Focus:

TECHNOLOGY FOCUS - MECHANICAL ENGINEERING - Preferred Components:
The thimble is adapted to extend up over the first knuckle position of the user to form a close tolerance push fit over the first knuckle to brace the knuckle against bending. It has indents in the needle contacting surface. It is open-ended and 20-45, preferably 25-45 mm long. The inside (5) of the front face (6) of the thimble is flattened to assist in keying the thimble to the finger preventing its rotation.

Derwent Class: F05

International Patent Class (Main): D05B-091/04

File 16:Gale Group PROMT(R) 1990-2006/Feb 09
(c) 2006 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 47:Gale Group Magazine DB(TM) 1959-2006/Feb 10
(c) 2006 The Gale group
File 148:Gale Group Trade & Industry DB 1976-2006/Feb 10
(c)2006 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2006/Feb 10
(c) 2006 The Gale Group
File 649:Gale Group Newswire ASAP(TM) 2006/Feb 06
(c) 2006 The Gale Group
File 635:Business Dateline(R) 1985-2006/Feb 10
(c) 2006 ProQuest Info&Learning

| Set | Items | Description |
|-----|-------|----------------------------------|
| S1 | 2021 | THIMBLE? ? |
| S2 | 70051 | NEWMAN |
| S3 | 17 | S1 AND S2 |
| S4 | 17 | RD (unique items) [not relevant] |